

~~Journal~~ Application of:
Yoo, et al.

Confirmation No.: Unknown

**For: Pulse Nucleation Enhanced
Nucleation Technique for
Improved Step Coverage
and Better Gap Fill for
WCVD Process**

Assistant Commissioner for
Patents
Washington, D.C. 20231

Dear Sir:

~~~~~

## Group Art Unit: Unknown

**Examiner: Unknown**

I hereby certify that this correspondence is being deposited on June 29 2002 with the United States Postal Service as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

Date 6/24/02 Signature B. Joddfather

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

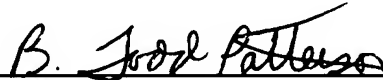
While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782 /AMAT/5730/BTP.

Respectfully submitted,

A handwritten signature in cursive script, reading "B. Todd Patterson", is written over a horizontal line.

B. Todd Patterson  
Registration No. 37,906  
MOSER, PATTERSON & SHERIDAN, L.L.P.  
3040 Post Oak Blvd., Suite 1500  
Houston, TX 77056  
Telephone: (713) 623-4844  
Facsimile: (713) 623-4846  
Attorney for Applicant(s)

|                                                                                                                                                                                                                                           |     |                                                      |            |                           |                 |                             |                            |                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------|------------|---------------------------|-----------------|-----------------------------|----------------------------|--------------------------|
| U.S. Department of Commerce, Patent and Trademark Office<br>(PTO Form 1449 modified)                                                                                                                                                      |     |                                                      |            | Docket No.<br>APPM/5730   |                 | Serial No.<br>10/023,125    |                            |                          |
| SUPPLEMENTAL LIST OF PATENTS AND PUBLICATIONS<br>CITED BY APPLICANT                                                                                                                                                                       |     |                                                      |            | Applicant<br>Yoo, et al.  |                 | Confirmation No.<br>Unknown |                            |                          |
| (Use several sheets if necessary)                                                                                                                                                                                                         |     |                                                      |            | Filing Date<br>12/17/2001 |                 | Group<br>Unknown            |                            |                          |
| Examiner Unknown                                                                                                                                                                                                                          |     |                                                      |            |                           |                 |                             |                            |                          |
| <b>U.S. Patent Documents</b>                                                                                                                                                                                                              |     |                                                      |            |                           |                 |                             |                            |                          |
| *Examiner Initial                                                                                                                                                                                                                         |     | Document Number                                      | Issue Date | Applicant(s) Name         | Class           | Subclass                    | Filing Date If Appropriate |                          |
|                                                                                                                                                                                                                                           | A1  | 2001/0042799                                         | 11/22/2001 | Kim, et al.               | 239             | 553                         | 02/02/2001                 |                          |
|                                                                                                                                                                                                                                           | A2  |                                                      |            |                           |                 |                             |                            |                          |
|                                                                                                                                                                                                                                           | A3  |                                                      |            |                           |                 |                             |                            |                          |
|                                                                                                                                                                                                                                           | A4  |                                                      |            |                           |                 |                             |                            |                          |
|                                                                                                                                                                                                                                           | A5  |                                                      |            |                           |                 |                             |                            |                          |
|                                                                                                                                                                                                                                           | A6  |                                                      |            |                           |                 |                             |                            |                          |
|                                                                                                                                                                                                                                           | A7  |                                                      |            |                           |                 |                             |                            |                          |
|                                                                                                                                                                                                                                           | A8  |                                                      |            |                           |                 |                             |                            |                          |
|                                                                                                                                                                                                                                           | A9  |                                                      |            |                           |                 |                             |                            |                          |
|                                                                                                                                                                                                                                           | A10 |                                                      |            |                           |                 |                             |                            |                          |
|                                                                                                                                                                                                                                           | A11 |                                                      |            |                           |                 |                             |                            |                          |
|                                                                                                                                                                                                                                           | A12 |                                                      |            |                           |                 |                             |                            |                          |
|                                                                                                                                                                                                                                           | A13 |                                                      |            |                           |                 |                             |                            |                          |
| <b>Foreign Patent Documents</b>                                                                                                                                                                                                           |     |                                                      |            |                           |                 |                             |                            |                          |
| *Examiner Initial                                                                                                                                                                                                                         |     | Document Number                                      | Date       | Country                   | Class           | Subclass                    | Translation                |                          |
|                                                                                                                                                                                                                                           |     |                                                      |            |                           |                 |                             | YES                        | NO                       |
|                                                                                                                                                                                                                                           | B1  |                                                      |            |                           |                 |                             | <input type="checkbox"/>   | <input type="checkbox"/> |
|                                                                                                                                                                                                                                           | B2  |                                                      |            |                           |                 |                             | <input type="checkbox"/>   | <input type="checkbox"/> |
|                                                                                                                                                                                                                                           | B3  |                                                      |            |                           |                 |                             | <input type="checkbox"/>   | <input type="checkbox"/> |
|                                                                                                                                                                                                                                           | B4  |                                                      |            |                           |                 |                             | <input type="checkbox"/>   | <input type="checkbox"/> |
|                                                                                                                                                                                                                                           | B5  |                                                      |            |                           |                 |                             | <input type="checkbox"/>   | <input type="checkbox"/> |
| <b>OTHER ART</b>                                                                                                                                                                                                                          |     |                                                      |            |                           |                 |                             |                            |                          |
| *Examiner Initial                                                                                                                                                                                                                         |     | Including Author, Title, Date, Pertinent Pages, Etc. |            |                           |                 |                             |                            |                          |
|                                                                                                                                                                                                                                           | C1  |                                                      |            |                           |                 |                             |                            |                          |
|                                                                                                                                                                                                                                           | C2  |                                                      |            |                           |                 |                             |                            |                          |
|                                                                                                                                                                                                                                           | C3  |                                                      |            |                           |                 |                             |                            |                          |
| Examiner                                                                                                                                                                                                                                  |     |                                                      |            |                           | Date Considered |                             |                            |                          |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant. |     |                                                      |            |                           |                 |                             |                            |                          |